BY ORDER OF THE COMMANDER
AIR FORCE MATERIEL COMMAND

AFMC POLICY DIRECTIVE 33-5

31 OCTOBER 2003

Communications and Information

ONE AIR FORCE…ONE NETWORK

This policy directive is the AFMC initial policy on creating One Air Force…One Network, which is a family of policies, procedures, standards and technologies founded on Information Transport, Information Computing, Information Assurance, and Information Management, all enabled by the Information Enterprise. This policy directive does not apply to U.S. Air Force Reserve or Air National Guard units or members.

1. Information Transport. Create one network that spans the globe and extends into space--the infostructure that is the foundation for aerospace, information and decision superiority. Key successes needed to achieve this foundation are: Enhanced capability to manage network operations, high speed base network backbone, and a commitment to One Air Force…One Network. The way ahead will provide global C2 and a global view of the network, will require us to operate within a corporate intranet environment, and increase our reach back capability by improving integrating our high speed networks.

1.1. Infostructure. The framework of interconnected and interoperable networks, systems, and people essential to effective operations with appropriate security across the Air Force Enterprise. Infostructure for the last aerospace mile includes long-haul connectivity to the base, networking inside the gate and to the building (the last 400 feet to the wall and to the desktop), and interfaces to the weapons systems. The infostructure refers to the following:

1.1.1. Physical facilities used to collect, distribute, store, process, and display voice, data, and imagery;

1.1.2. The applications and data engineering tools, methods, and processes to build and maintain the Enterprise software;

1.1.3. The interfaces necessary to achieve increased combined, joint, and coalition interoperability;

1.1.4. The standards and protocols which facilitate interconnection and interoperation among networks to achieve 'One AF…One Network';

1.1.5. The trained people and assets to operate an integrated seamless capability which accommodates the evolution of commercial technology to achieve the Air Force mission.

1.1.6. Projects. Current AFMC information infrastructure projects supporting Information Transport include: Combat Information Transport System (CITS)/Network Operation and Information Assurance (NO/IA), Enterprise System Management (ESM), and Voice over Internet Protocol (VoIP).

2. Information Computing. Provide the means to input, store, process and output information. Key successes needed to achieve Information Computing are: A one-stop site for Air Force combat/mission support, servicing business using web technologies and accessible by all Air Force personnel…customizable to fit individual requirements (AF Portal). The AF Portal will provide common and interoperable decision support tools, a common and globally accessible information environment, and a warfighter-friendly communications, computing and operating environment. The way ahead will provide migration to one integrated, joint warfighting capability, Defense Message System (DMS) upgrades, more efficient server operations and security, and secure timely control and access to all required AF-wide resources (Enterprise Directory Services).

2.1. Projects. Current AFMC information infrastructure projects supporting Information Computing include: Regionalization and Directory Services (Windows 2000/XP/Active Directory).

3. Information Assurance. Ensure the warfighter can execute the mission by assuring necessary information is reliably delivered and appropriately protected. Key successes needed to achieve information assurance are: Establishment of Information Condition "INFOCON" policy and procedures for the network similar to THREATCOM policy and procedures for physical threats; reduction in root-level intrusions; improved capability to block network attacks; and continuous Security Awareness Training and Education (SATE); and an information assurance year campaign. The way ahead will provide unity of effort for the USAF Network and the migration to digital identities for all AF members, which includes digital signature, single log-on access to all information through technology in your ID card.

3.1. Projects. Current AFMC information infrastructure projects supporting Information Assurance include: Public Key Infrastructure (PKI).

4. Information Management . Provide the tools and mechanisms for commanders and mission area managers to develop and enforce their business rules and operational policies. Key successes needed to achieve Information Management are: "One Stop" for AF-wide information through the AF Portal, AF-wide electronic "base operator," and publications and forms on-line. The way ahead will provide access to applications by all AF members from anywhere on the network, make self-service a reality, increase training for work group managers, enhance personnel productivity, and harness the power of the Internet with industry.

4.1. Projects. Current AFMC information infrastructure projects supporting Information Management include: AF Portal, Lifecycle of Information Software Solutions (LISS) and e-Business.

5. Information Enterprise . Provide overall management of the AF Information Enterprise. This includes the oversight, policy, planning and processes necessary to further build and manage our infostructure. Key successes needed to achieve the Information Enterprise are: A stronger Chief Information Officer (CIO) leadership team, AF senior leaders setting the course, a Concept of Operations (CONOPS)

for mission support, the Air Force Way (leveraging the power of bulk buying), and utilizing enterprise licenses. The way ahead will improve the way we design and build our Information Enterprise, re-engineer the way we do business, measure total cost of ownership, and support the fast track initiatives underway for information technology acquisition reform.

5.1. Projects. Current AFMC information infrastructure projects supporting the Information Enterprise include: AF Way System and AFMC Standard Desktop Configuration.

KENNETH I. PERCELL, SES
Director, Information Technology